



FEMA



Prepared by
Jennifer McNatt

FEMA Region 6 Weather Threat Briefing

Friday, October 19, 2018

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.

Summary of the Upcoming Week



SR ROC
REGIONAL OPERATIONS CENTER

Today

- **Heavy rain/flash flooding possible for already vulnerable portions of N-Central through SW TX.**
 - Isolated heavy rain also possible near the Middle and STX Coast.

This Weekend

- **The flood threat appears to be focused in/around the Rio Grande Valley, although some rain chances over S-Central and SW TX may lead to isolated flash flooding over already vulnerable areas.**

Monday - Wednesday

- **There will likely be rain chances in already-vulnerable locations in TX through at least the middle of next week, but there is some uncertainty on location and amounts of rain at this time.**

River Flood Status

- **Moderate to Major River flooding is ongoing or expected across Texas.**
 - **Chambers Creek near Rice (SSE of Dallas) is expected to fall below moderate flood stage today.**
 - **Points along the Nueces river in STX will be in Major Flood at times over the next week as water moves downstream. The point near Asherton is rising and expected to crest in Major flood today with mostly agricultural impacts.**
 - **The Colorado River at Lake Travis is in Major Flood; homes and mobile homes at Graveyard Point are likely impacted now.**
 - **The Trinity River near Rosser will continue a slow fall, but points further STX will be rising as the water moves downstream. The crest (expected major flooding) will reach Goodrich and Liberty in the next few days; water may be near homes below Lake Livingston and will likely impact subdivisions above Liberty.**
- **Additional rainfall over the next few days will likely prolong flooding along the already impacted rivers and lead to additional moderate (to isolated major) river flooding throughout Central and STX due to already saturated soils.**

Tropical Outlook

- **No new tropical cyclones are expected during the next five days.**

FEMA Region 6 Threat Matrix

Oct 19, 2018 – Oct 23, 2018



SR ROC
REGIONAL OPERATIONS CENTER

DAY / THREAT	FRI	SAT	SUN	MON	TUE
Severe Storms					
Heavy Rain / Flash Flooding	N-Cntrl through SW TX	STX	STX	Somewhere in TX; difficult to pinpoint now	Somewhere in TX; difficult to pinpoint now
	Middle & STX Coast	S-Cntrl through SW TX	S-Cntrl through SW TX		
Winter Weather					
Tropical Weather					
River Flooding	TX	TX	TX	TX	TX

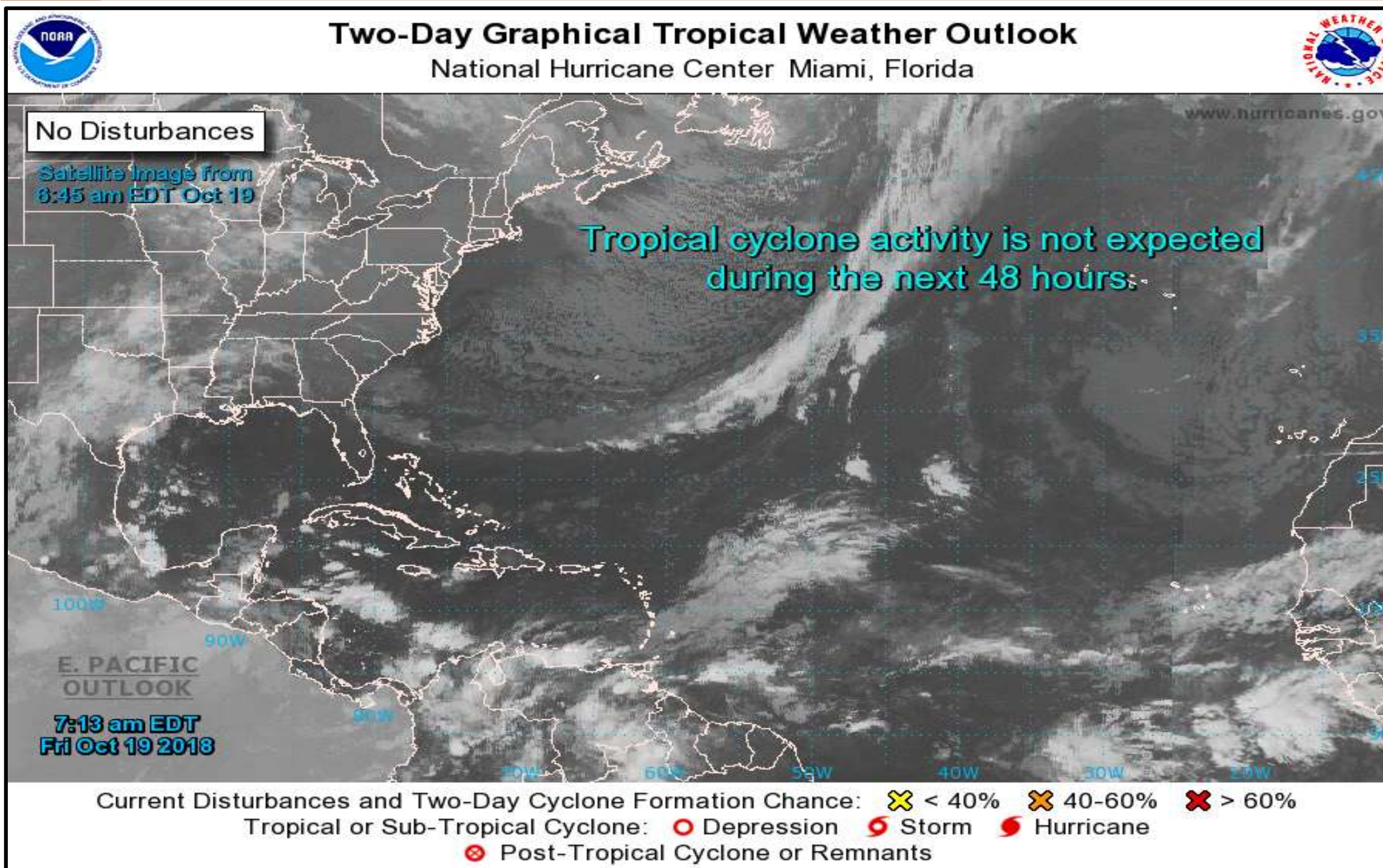
	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

**Threat levels are based on FEMA Region 6 criteria.
State or local threat level criteria may differ.*
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

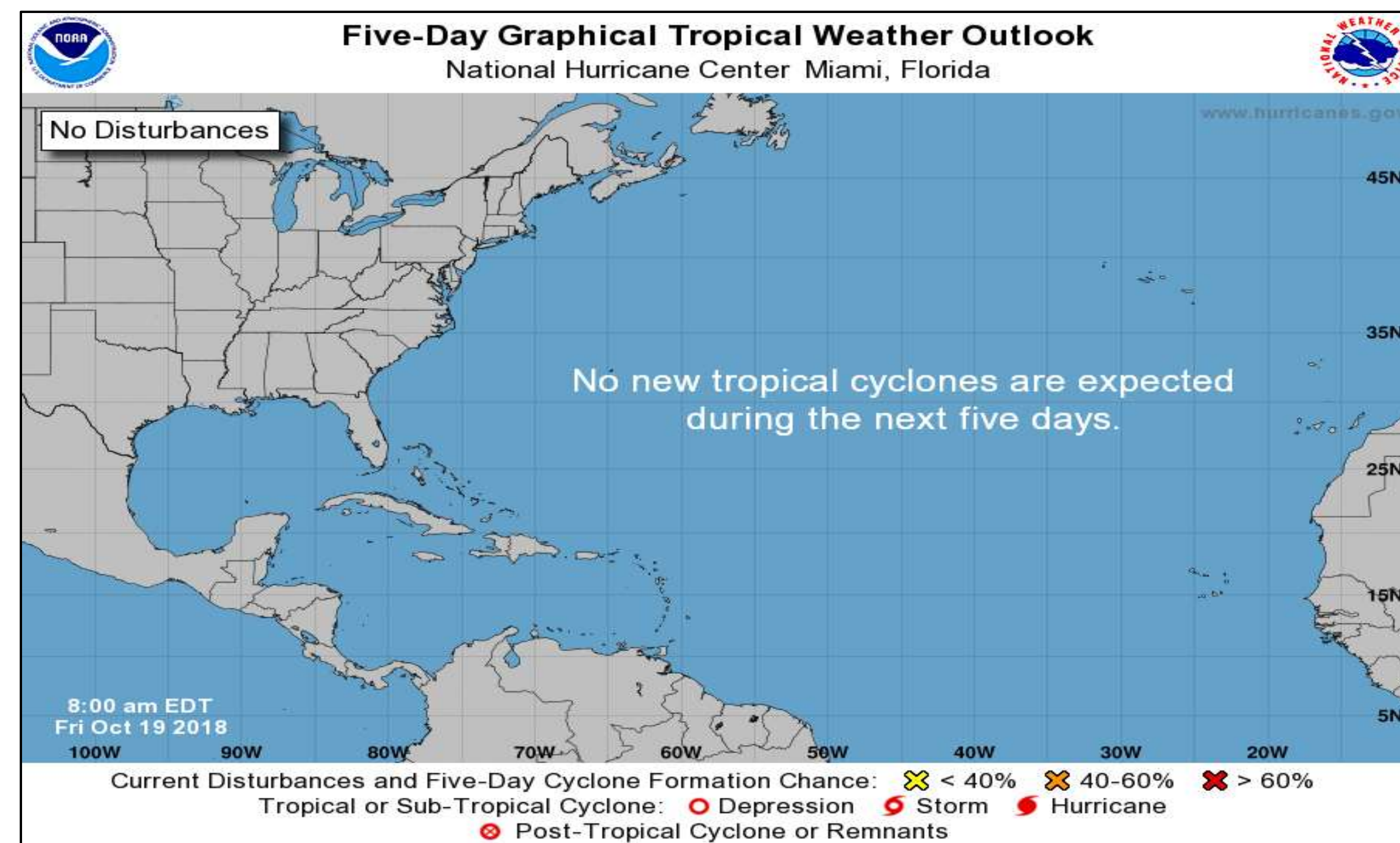
Tropical Weather Outlook – Atlantic/Gulf



SR ROC
REGIONAL OPERATIONS CENTER



No new tropical cyclones are expected during the next five days.

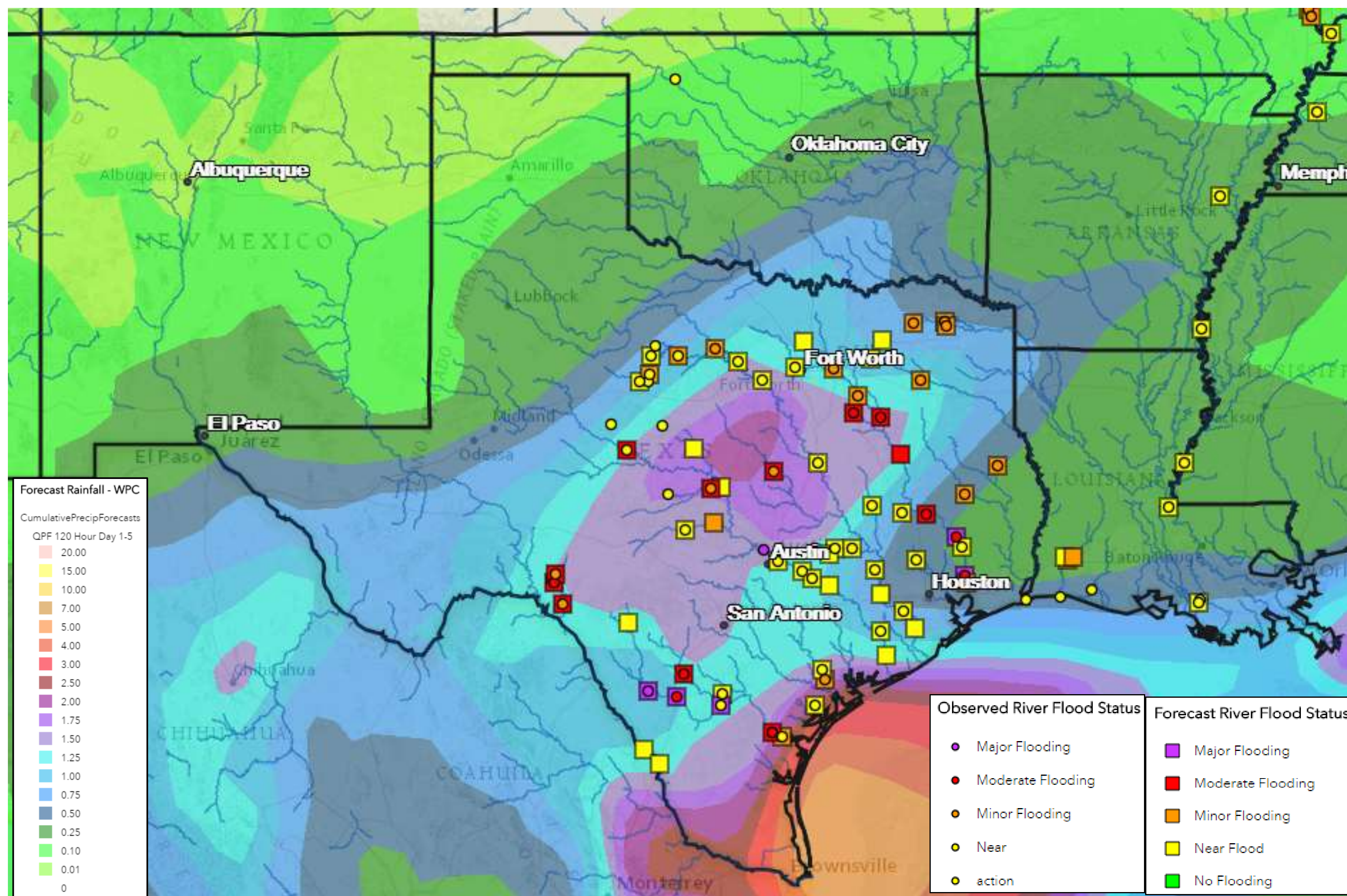


5-Day Precipitation Forecast & River Flood Status



SR ROC
REGIONAL OPERATIONS CENTER

Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Moderate to Major River flooding is ongoing or expected across Texas.

- **Chambers Creek near Rice (SSE of Dallas) is expected to fall below moderate flood stage today.**
- **Points along the Nueces river in STX will be in Major Flood at times over the next week as water moves downstream. The point near Asherton is rising and expected to crest in Major flood today with mostly agricultural impacts.**
- **The Colorado River at Lake Travis is in Major Flood; homes and mobile homes at Graveyard Point are likely impacted now.**
- **The Trinity River near Rosser will continue a slow fall, but points further STX will be rising as the water moves downstream. The crest (expected major flooding) will reach Goodrich and Liberty in the next few days; water may be near homes below Lake Livingston and will likely impact subdivisions above Liberty.**

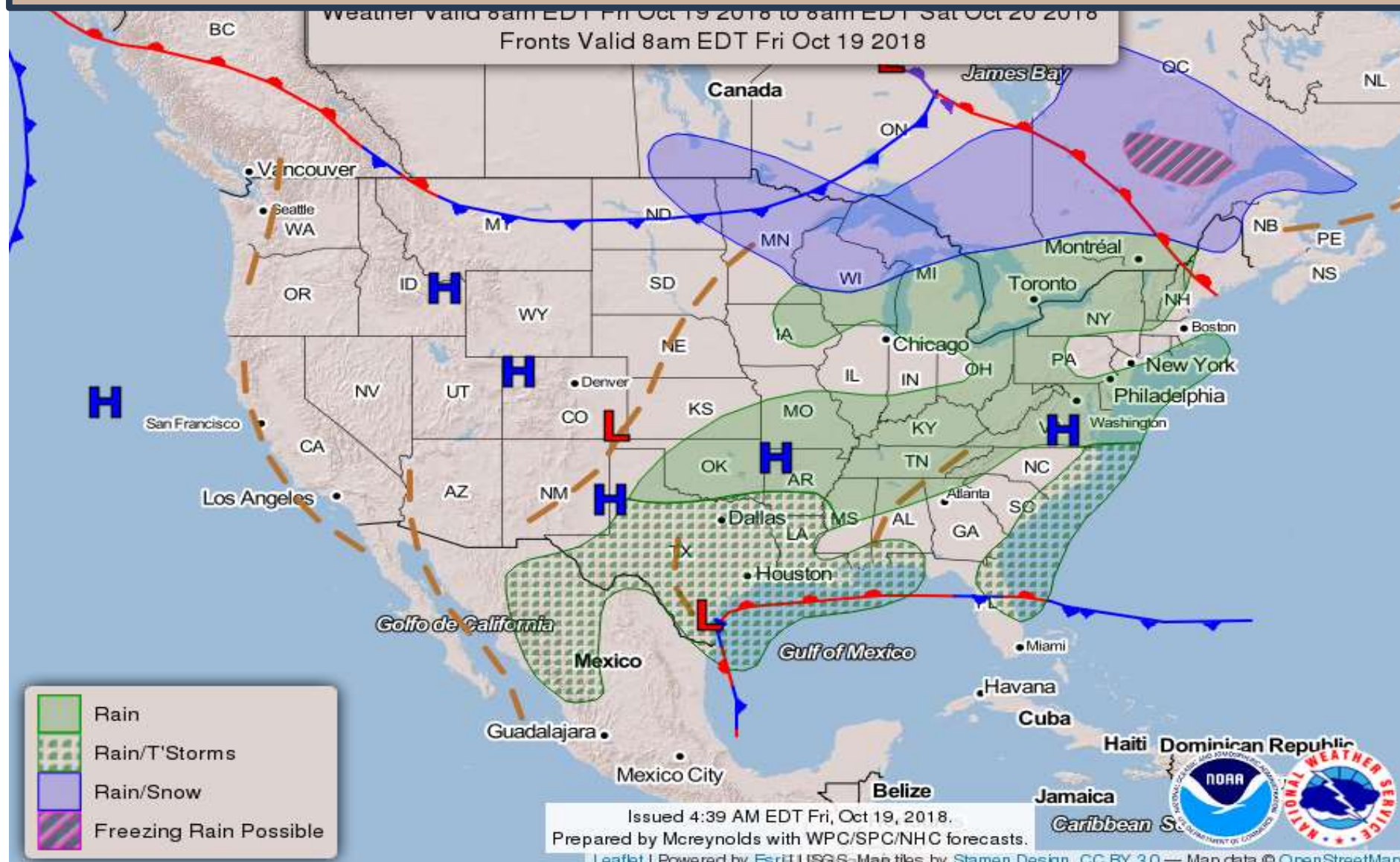
Additional rainfall over the next few days will likely prolong flooding along the already impacted rivers and lead to additional moderate (to isolated major) river flooding throughout Central and STX due to already saturated soils.

Today's Weather

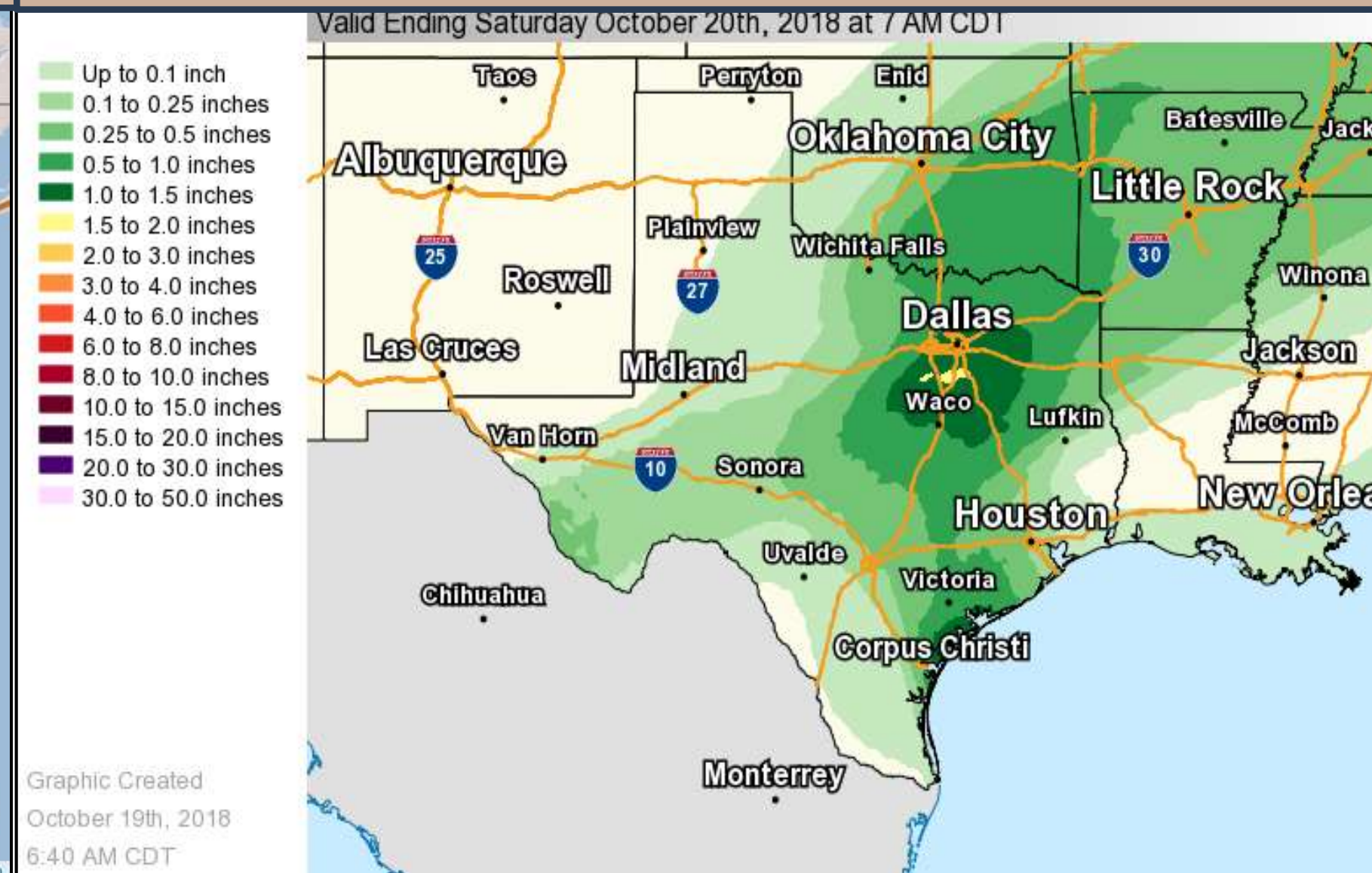


SR ROC
REGIONAL OPERATIONS CENTER

Forecast Chart



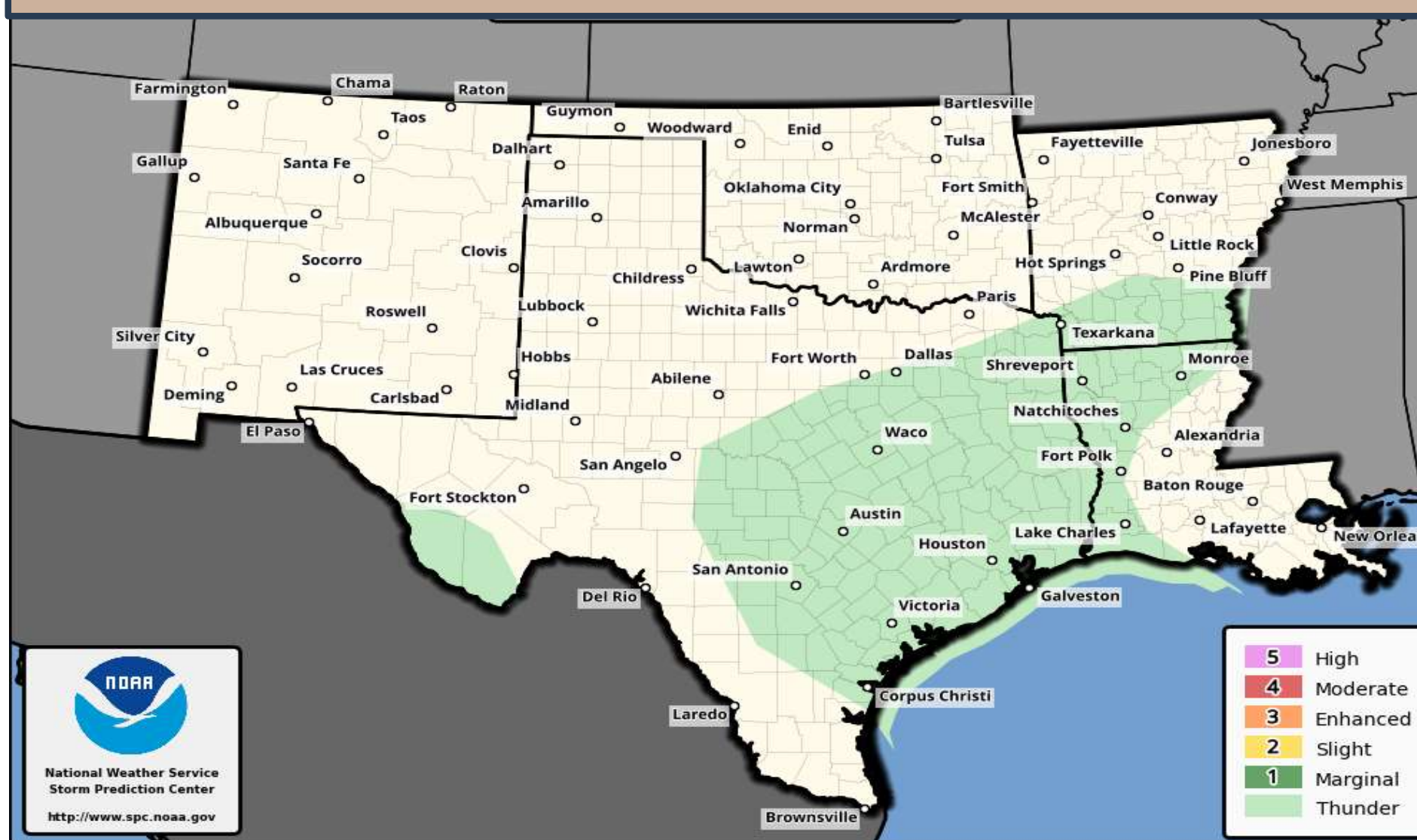
Forecast Rainfall



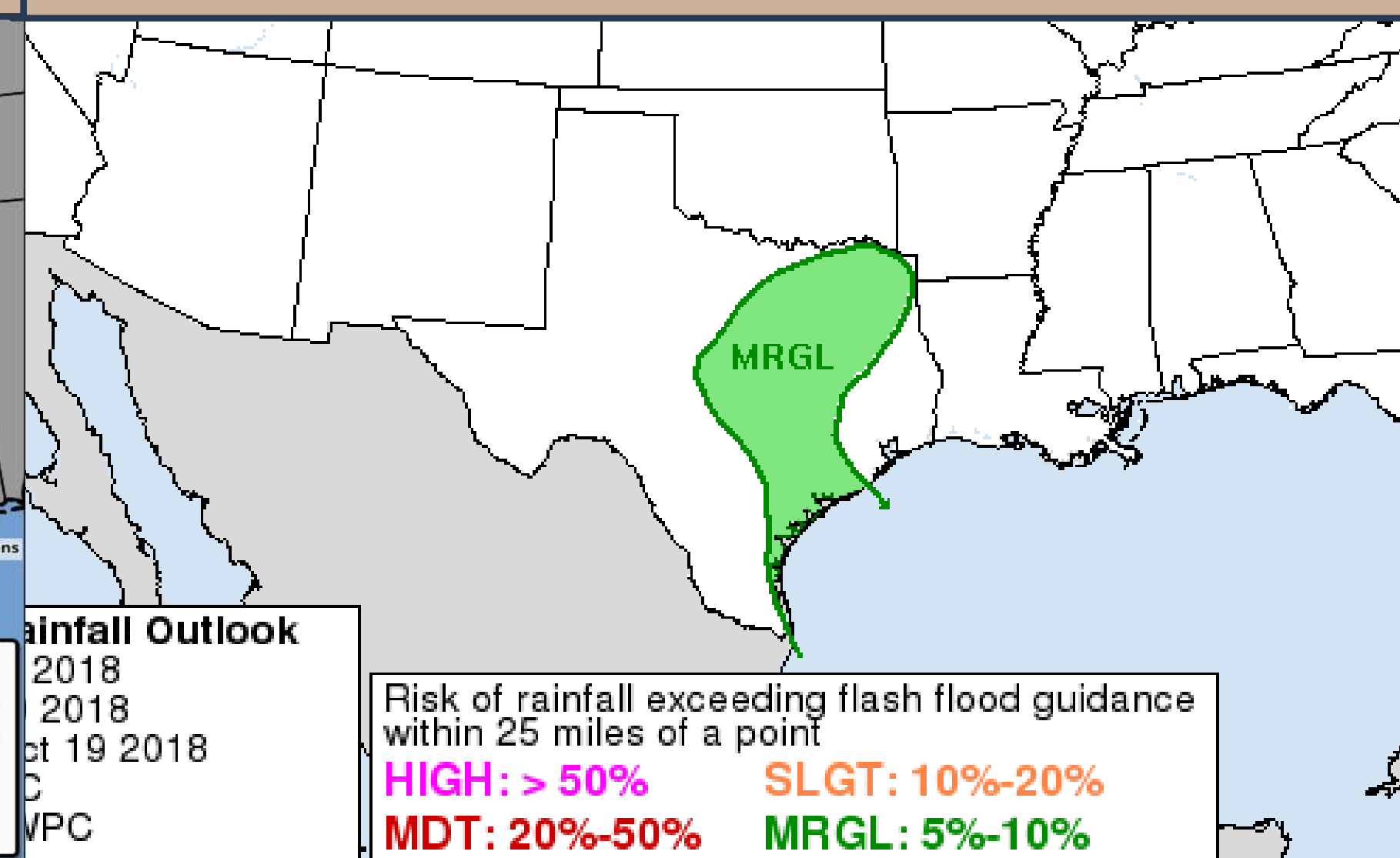
Heavy rain/flash flooding possible for already vulnerable portions of N-Central through SW TX.

Isolated heavy rain also possible near the Middle and STX Coast.

Severe Weather Outlook



Excessive Rainfall Outlook



Watches, Warnings, and Advisories



SR ROC
REGIONAL OPERATIONS CENTER

Fire Weather



Graphic Created

Severe Weather & Flooding



Graphic Created

**Flash Flood Watches continue
for much of
N-Central into SW TX
through this evening.**

Strong & Gusty Winds



Graphic Created

Winter Weather



Graphic Created

Tomorrow's Weather



SR ROC
REGIONAL OPERATIONS CENTER

Forecast Chart

Forecast Rainfall

Heavy rain/flash flooding will
be shifting down into **STX**.

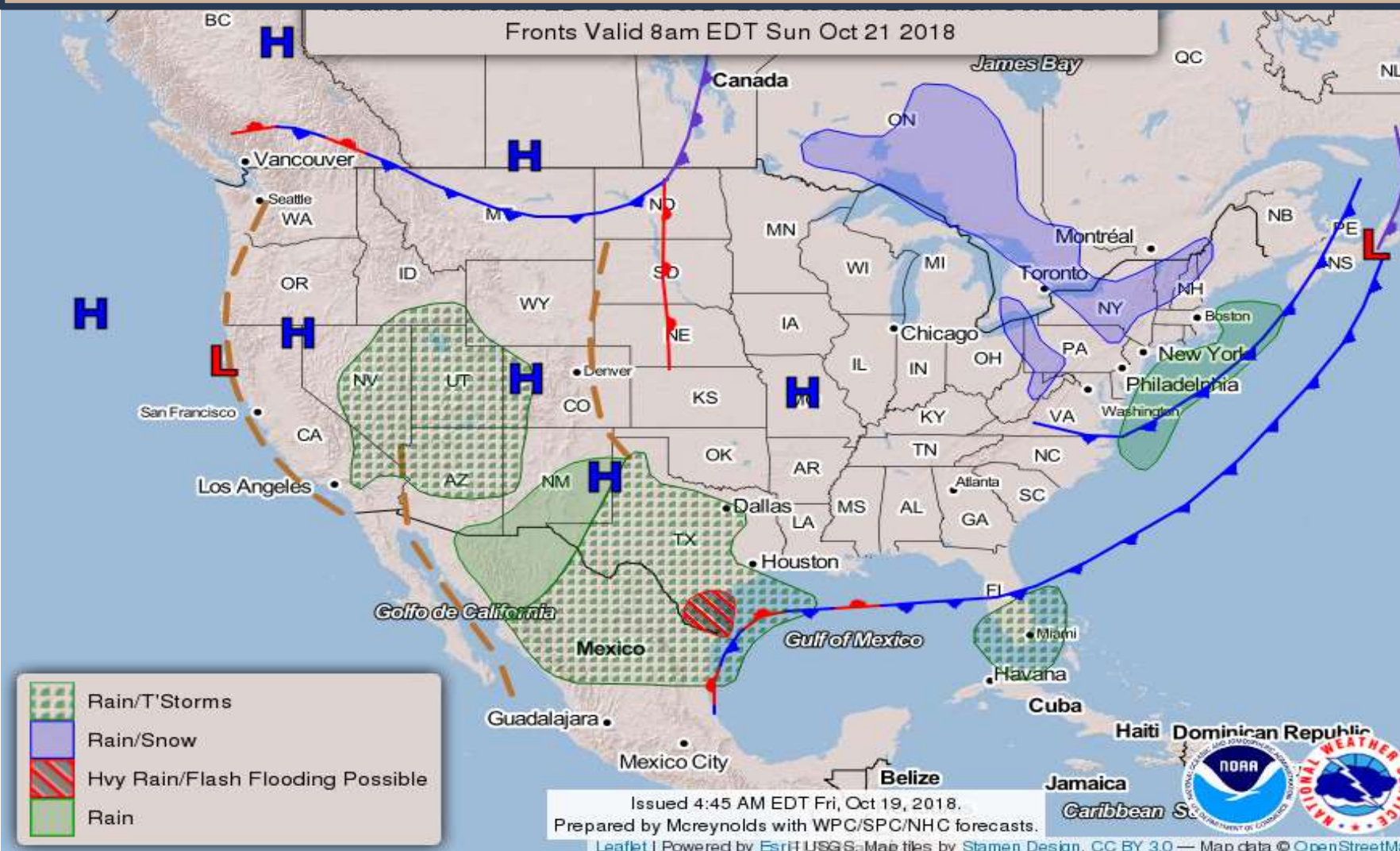
Isolated rain / flash flooding
also possible over vulnerable
locations of **S-Central** and
SW TX.

Severe Weather Outlook

Excessive Rainfall Outlook

Sunday's Weather

Forecast Chart



Forecast Rainfall



SR ROC
REGIONAL OPERATIONS CENTER

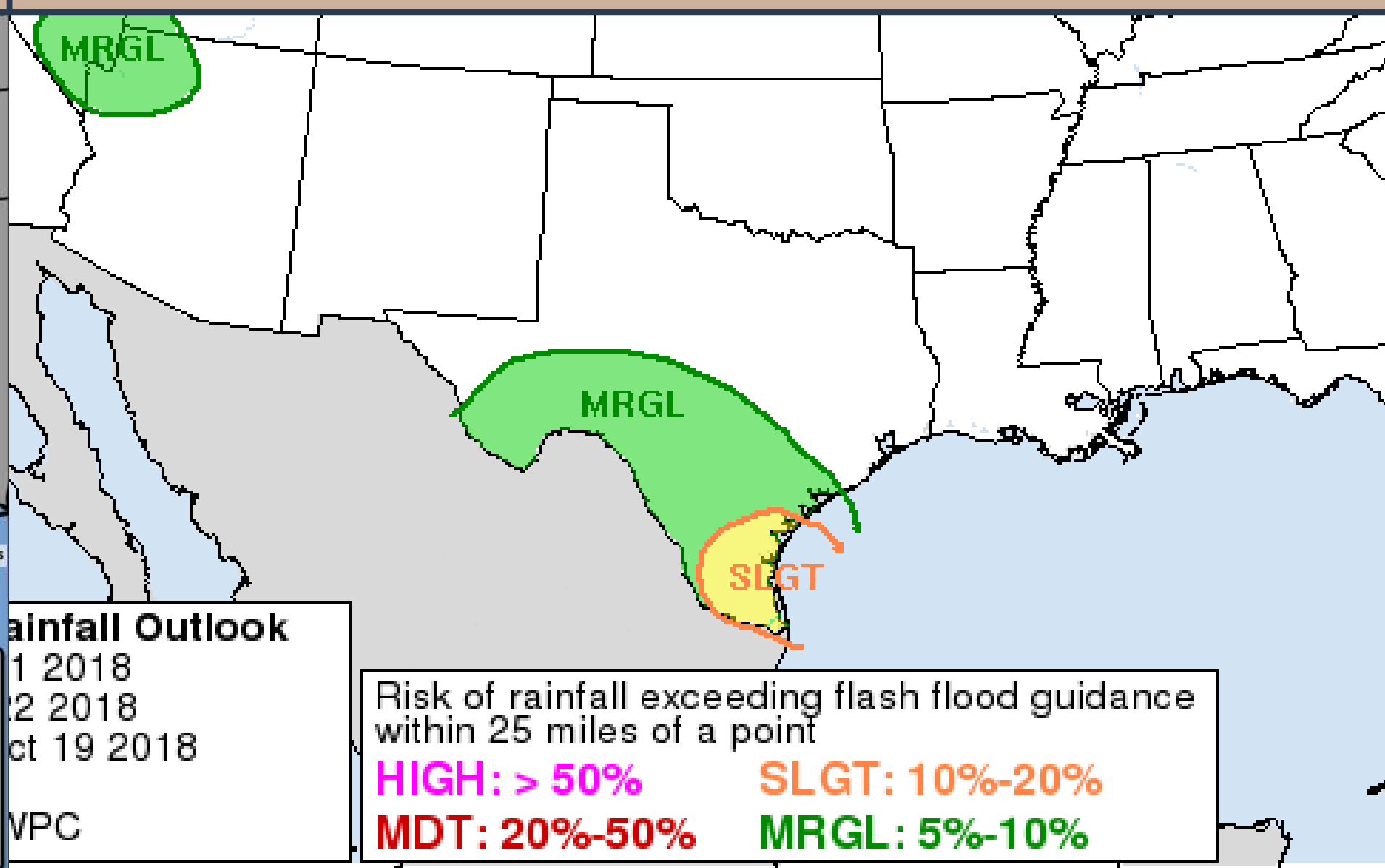
**Heavy rain/flash flooding will
be remain over STX.**

**Isolated rain / flash flooding
also possible over vulnerable
locations of S-Central and
SW TX.**

Severe Weather Outlook



Excessive Rainfall Outlook

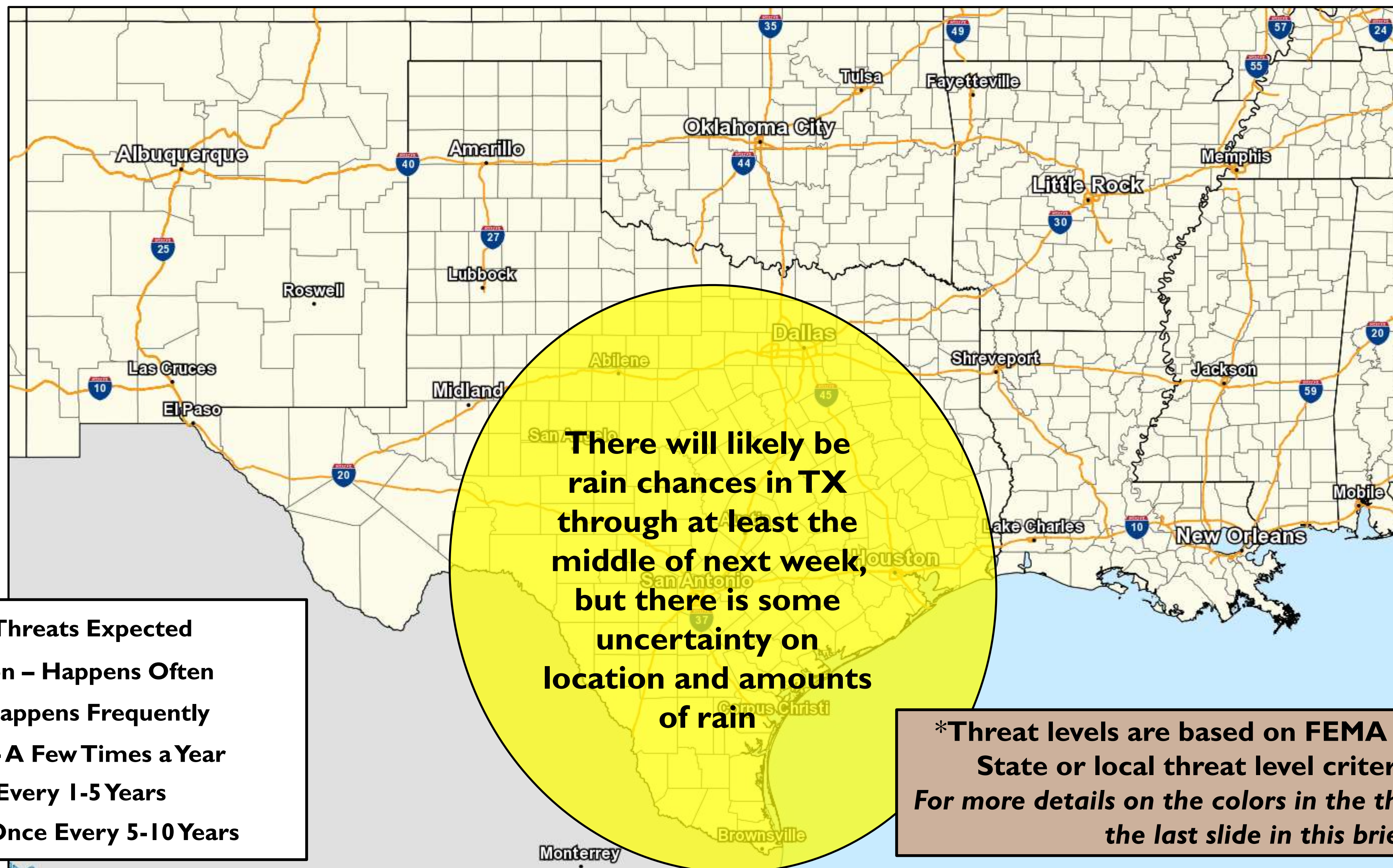


Days 4-5 Weather Hazards

Monday - Tuesday



SR ROC
REGIONAL OPERATIONS CENTER

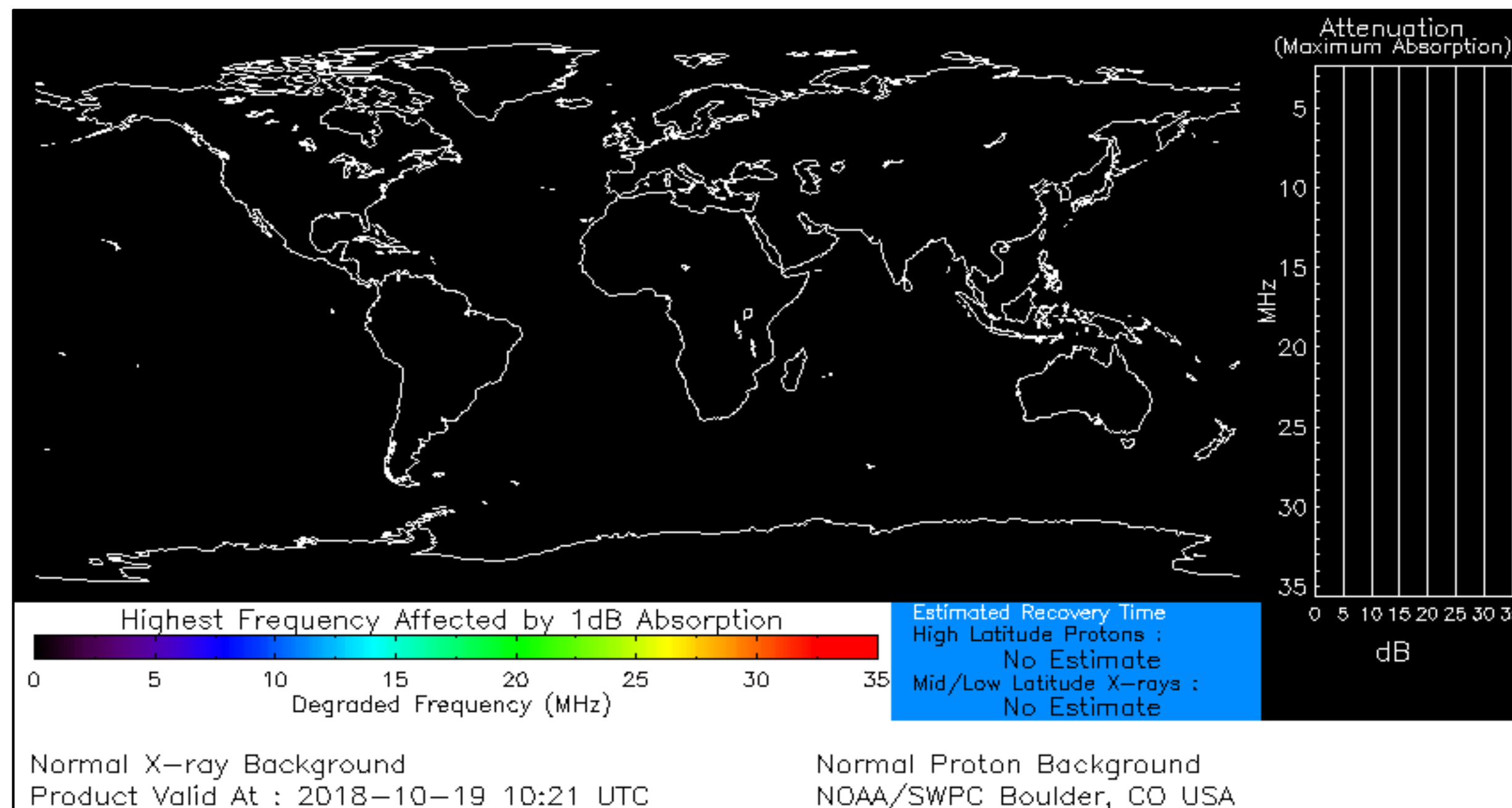


Space Weather 3-Day Forecast



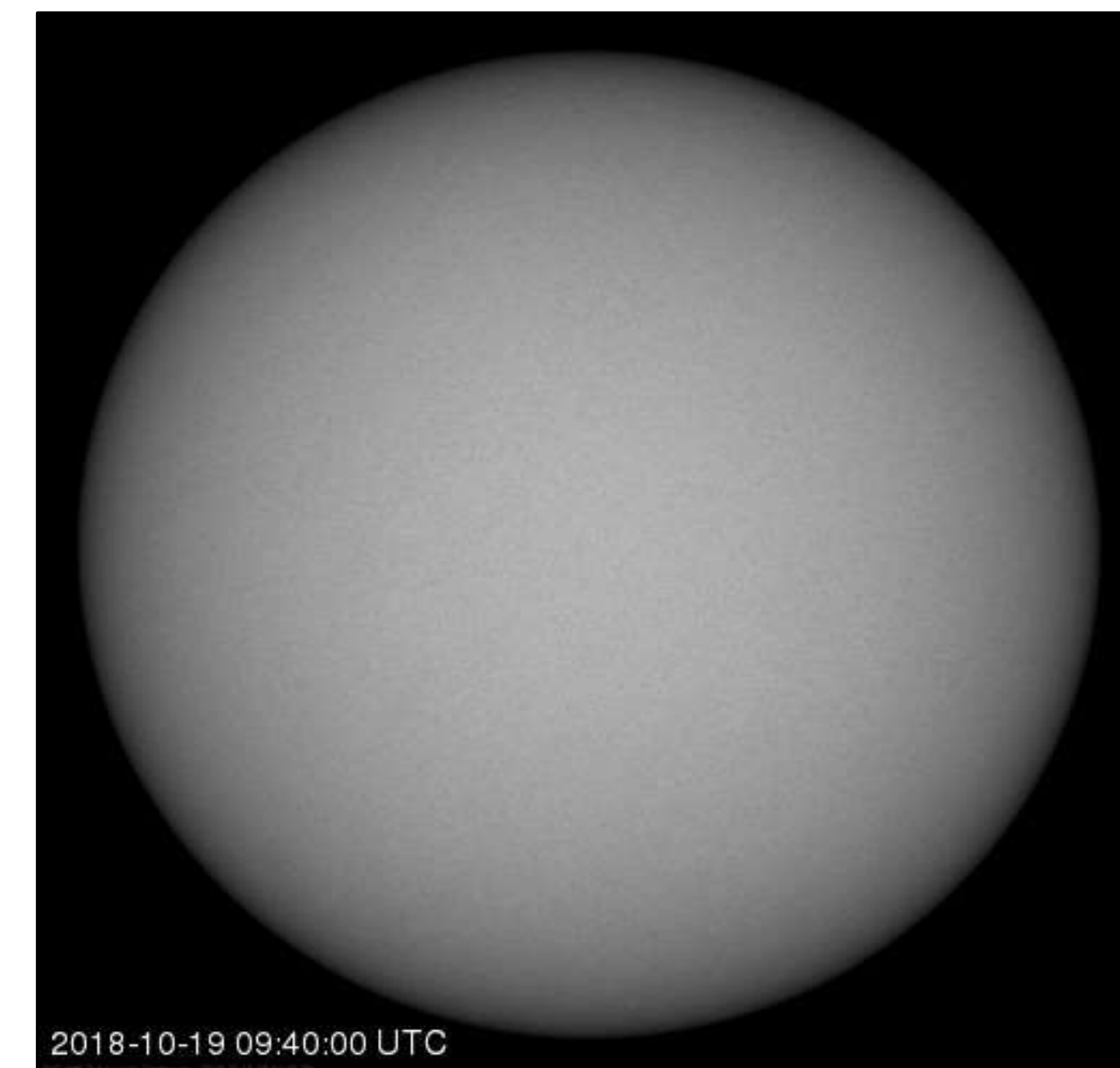
SR ROC
REGIONAL OPERATIONS CENTER

	Friday	Saturday	Sunday
Geomagnetic Storms	Minor (G1) Storm (Max Kp = 5)	Quiet to Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)





For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov